

June 23, 1980

Mr. Arlon Jacobs
Intermountain Resources Inc.
Salt Lake City, Utah

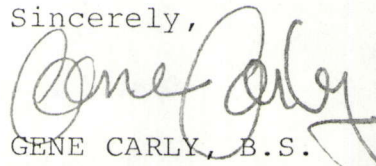
Dear Mr. Jacobs:

On June 19th, 1980 I visited three sites in Rush Valley, Tooele County, Utah with Arlyn Sperry and Warren Jacobs for the purpose of conducting an inventory of the flora in each of these areas.

In my previous work experience with the U.S. Forest Service doing range allotment analysis I used what is known as the "Loop Method" in which eleven separate samplings are taken along a straight-line transect at one chain (66') intervals. Each plant specie within the loop was identified according to its taxonomic classification and an estimation of its foliage density made. By "foliage density", I mean the percentage of the ground covered by the mass of vegetation shading the ground. This, then, became the method I employed in conducting a range analysis of the three sites in Rush Valley.

Attached herewith are my findings of those analyses. If you should have any questions regarding this information please feel free to contact me.

Sincerely,



GENE CARLY, B.S.
Range Management, U.S.U.
489-8475

SITE NUMBER ONE

Five Mile Pass

SPECIES		TRANSECT SAMPLING/ % FOLIAGE DENSITY										
COMMON NAME	SCIENTIFIC NAME	1	2	3	4	5	6	7	8	9	10	11
Cheat Grass	Bromus tectorum	1	1	2	15	1		5	T*	12	65	
Big Sage Brush	Artemisia tridentata	15		35	45	40	30	18	23	34		
Broom Snakeweed	Guttierrezia sarothrae	15	20				10					
Foxtail Barley	Hordeum jubatum		10			1	T		1			
Prince's Plume	Stanleya pinnata		1			1	T			1		
Needle & Threadgrass	Stipa comata				1							1
Unknown irregular minute purple flower												T
TOTAL		31	32	37	61	43	40	23	24	47	65	1

* Trace amount

AVERAGE FOLIAGE DENSITY = 36.7%

SITE NUMBER TWO

Section 32

COMMON NAME	SPECIES SCIENTIFIC NAME	TRANSECT SAMPLING/ % FOLIAGE DENSITY										
		1	2	3	4	5	6	7	8	9	10	11
Black Sagebrush	Artemisia nova	2	3	2	1	3	6	5	1			
Big Sagebrush	Artemisia tridentata	8		T*								
Phlox	Phlox caepitosa	1										15
Broom Snakeweed	Guttierizia sarrothrae		5				1		10			
Winterfat	Erotia lanata				T			5			5	
Spiny Horsebrush	Tetradymia spinosa					10		55	25		15	
Peppergrass	Lepidium perfoillatum					T						
Sheep Fescue	Fescue ovina					1					5	
Foxtail Barley	Hordeum jubatum						T					
Prince's plume	Stanleya pinnata							5				
Needle & Threadgrass	Stipa comata							T				
Cheatgrass	Bromus Tectorum							T		T	25	
TOTAL		11	8	2	1	14	7	70	36	1	50	15

* Trace amount

AVERAGE FOLIAGE DENSITY = 19.6%

SITE NUMBER THREE

Sect. 6, T8S R4W

COMMON NAME	SPECIES SCIENTIFIC NAME	TRANSECT SAMPLING/ % FOLIAGE DENSITY										
		1	2	3	4	5	6	7	8	9	10	11
Winterfat	<i>Erotia lanata</i>	42	25	24	18	15	5	6	5			
Field Mustard	<i>Brassica campestris</i>	2	1	3	3	T*						
Foxtail Barley	<i>Hordeum jubatum</i>				1	6	2					
Cheatgrass	<i>Bromus tectorum</i>				T	2						
Black Sagebrush	<i>Artemisia nova</i>						T			2	10	
Big Sagebrush	<i>Artemisia tridentata</i>						10		5			
Broom Snakeweed	<i>Gutierrezia sarothrae</i>						T	10	5	10		5
Spiny Horsebrush	<i>Tetradymia spinosa</i>							5		10		
Big Rabbitbrush	<i>Chrysothamnus nauseosus</i>							10				
Phlox	<i>Phlox caespitosa</i>								1		5	
Round-leaved Eriogonum	<i>Eriogonum ovalifolium</i>								5			
Indian Rice Grass	<i>Orhizopsis hymenoides</i>										5	
Unknown irregular minute purple flower												T
TOTAL		44	26	27	22	23	18	31	21	22	21	5

* Trace amount

AVERAGE FOLIAGE DENSITY = 23.6%